



Application No.: 10/698,478
Art Unit 2879

Attorney Docket No. 0630-1859P
Amendment filed August 23, 2005
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ABSTRACT OF THE DISCLOSURE

A cathode ray tube comprising a panel of which an outer surface is substantially flat and an inner surface has a certain curvature, and a shadow mask arranged with a certain interval from an inner surface of the panel and having a plurality of apertures through which electron beams pass, wherein the shadow mask satisfied a condition of $0.9 \leq Z_{mD} / (Z_{mX} + Z_{mY}) \leq 1.1$, in which an arbitrary point on a diagonal axis of the shadow mask is supposed to be D_r , points on a long axis and a short axis meeting with perpendiculars drawn to the long axis and the short axis from the point D_r are respectively supposed to be X_r and Y_r , and intervals between the respective points X_r , Y_r , and D_r and the shadow mask in a tube axis direction are respectively supposed to be Z_{mX} , Z_{mY} , and Z_{mD} .